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CATALOGUE  
OF THE  
HIRUNDINIDÆ  
IN THE COLLECTION OF  
THE ACADEMY OF NATURAL SCIENCES  
OF PHILADELPHIA.

BY  
JOHN CASSIN.

JULY 1, 1853.

Family HIRUNDINIDÆ.

I. Subfamily HIRUNDININÆ.

1. Genus HIRUNDO, Linn. *Syst. Nat.* i. p. 343, (1766.)

1. HIRUNDO RUSTICA, Linn. *Syst. Nat.* i. p. 343, (1766.) Gould,  
*B. of Eur.* ii. pl. 54.

*Hirundo domestica*, Auct. *Antiq. et Pallas Zoog.* i. p. 528.

*Cecropis rustica et pagorum*, Brehm. *Vög. Deut.* i. p. 137, 138.

"*Hirundo albifrons*, Rupp. Mus. Francof." Bonap. *Consp. Av.*  
p. 338.

- 1, 2, 3, 4. Adult males, England. Presented by Edward Wilson, Esq.

5. Female, England. Presented by the same.

6. Adult male, Switzerland. Presented by A. L. Heerman, M. D.

7. Adult, France, from the Rivoli collection.

8, 9. Albinos, France, from the same.

10. Nearly adult, India; from Capt. Boys' collection.

11. Adult, Japan. Presented by Lieut. Edward Brinley, Jr.,  
U. S. Navy.

2. HIRUNDO DOMICOLA, Jerdon. *Madras Journal?*

*Hirundo dimidiata*, Sundecal. *Ofversigt Kongl. Akad.*, April,  
1850?

*Hirundo rusticoides*. *Catalogue of Rivoli collection*, p. 18.

"*Hirundo rusticoides*, Cuv." *Label on specimens in Rivoli collection.*

"*Hirundo rusticoides*, Kuhl." *Boie in Isis*, 1844, p. 174?

1. Nearly adult, Java, from the Rivoli collection.

2. Younger, Java, from the same.

3. This species? Abyssinia, from the Rivoli collection.

3. HIRUNDO GUTTURALIS, Scopoli. *Flor. et Faun. Insul.* pt. ii. p.  
96, (1786,) *Pl. Col.* 83, fig. 2.

*Hirundo panayana*, Gm. *Syst. Nat.* i. p. 1018, (1788.)

*Hirundo javanica*, Sparrman. *Mus. Carls.* pl. 100, (1789.)

*Hirundo jewan*, Sykes. *Proc. Zool. Soc., London*, 1832, pt. ii. p. 83.

"*Hirundo rustica*, Linn." *Meyen Nova Acta.* xvi. *Suppl.* p. 72.  
pl. 10, fig. 1.

"*Hirundo rusticoides*, Kuhl." Bonap. *Cons. Av.* p. 338.

1. Adult male, Java, from the Rivoli collection.

2. Adult, Java, from the same.

4. *HIRUNDO RIOUCOURII*, Audouin. *Desc. de l'Egypt* i. pt. iv. p. 270, Ois. pl. 4 fig. 4, (1809.)  
*Hirundo Savignii*, Stephens. *Gen. Zool.* x. p. 90, (1817.)  
*Hirundo cahirica*, Licht. *Verz.* p. 58, (1823.) Werner, *Atlas Ois. d'Eur.* pl. 32.  
*Hirundo Boissoneauui*, Temm. *Man.* pt. iv. p. 652.  
*Hirundo castanea*, Less. *Traité*, i. p. 268.  
  1. Adult, Africa, from the Rivoli collection.
  - 2, 3. Nearly adult, Africa, from the same.
  4. Adult, Monrovia, Western Africa, from Mr. Cassin's collection.
5. *HIRUNDO RUFA*, Gm. *Syst. Nat.* i. p. 1018. *Aud. B. of Am.* pl. 173.  
*Hirundo americana*, Wilson. *Am. Orn.* v. p. 34, pl. 38, fig. 1, 2.  
"Hirundo rustica, Linn." *Aud. Orn. Biog.* ii. p. 413.  
*Hirundo erythrogaster*, Bodd. *Tab. Pl. Enl.* p. 45 ? *Buff. Pl. Enl.* 724, fig. 1 ?  
*Hirundo cyanopyrrha*, Vieill. *Nouv. Dict.* xiv. p. 510 ?  
*Hirundo horreorum*, Barton. *Fragments Nat. Hist. Penna.* p. 17, (1799.)  
  1. Adult male, Pennsylvania, from Mr. Krider's collection.
  2. Adult female, Pennsylvania. Presented by George C. Leib, M. D.
  3. Young, Pennsylvania, from Mr. Krider's collection.
  - 4, 5. Albinos, Pennsylvania, from the same.
  6. Adult male, North America, from the Rivoli collection.
  7. Adult male, Bolivia, from the same.
  - 8, 9. Adults, Cayenne, from the same.
  10. Adult, Para, Brazil, from the same.
6. *HIRUNDO FRONTALIS*, Quoy et Gaim. *Voy. de l'Astr.* pl. 12, fig. 1. (1833.)  
*Hirundo neoxena*, Gould. *Proc. Zool. Soc. London*, 1842, p. 131. *B. of Aust.* ii. pl. 13.  
"Hirundo javanica, Sparm." *Horsf. and Vig. Trans. Linn. Soc. London*, xv. p. 191.  
*Hirundo pacifica*, Lath. *Ind. Orn. Supp.* p. 58 ?  
"Hirundo frontalis, Quoy et Gaim. nec Say." *Bonap. Cons. Av.* p. 338 (*ubi Say?*)  
  - 1, 2. Adult males, Australia, from Mr. Gould's collection.
  3. Adult male, Van Diemen's land, from the same.
  4. Adult female, Van Diemen's land, from the same.
7. *HIRUNDO ALBIGULARIS*, Strickland. *Jard. Cont.* 1849, pl. 15.  
"Hirundo rufifrons, Vieill." *Less. Traité*, i. p. 238.  
"Hirundo rufifrons, Less. nec Shaw nec Vieill." *Bonap. Cons. Av.* p. 338.  
  - 1, 2. Adults, South Africa, from the Rivoli collection.
8. *HIRUNDO SCAPULARIS*, Cassin. *Proc. Acad. Philada.* v. pl. 12, fig. 1.  
  1. Adult, Southern Africa, from the Rivoli collection.

9. *HIRUNDO NIGRITA*, G. R. Gray. *Gen. of Birds*, pl. 20.

1. Adult, Ashantee country, from M. Verreaux's collection.
2. Adult, Western Africa, from Mr. Cassin's collection.

10. *HIRUNDO RUFICEPS*, Licht. *Verz.* p. 58, (1823.) *Lath. Gen. Hist.* vii. pl. 113.

*Hirundo filifera*, Steph. *Gen. Zool.* xiii. pl. ii. p. 78, (1826.)

*Hirundo filicaudata*, Franklin. *Proc. Zool. Soc. London*, 1831, p. 115.

*Hirundo indica*, Gm. *Syst. Nat.* i. p. 1025. *Lath. Gen. Hist.* vii. pl. 111 ?

1. Adult male, India, from Capt. Boys' collection.
2. Adult female, India, from the same.
3. Adult male, India.
4. Adult female, India.
5. Adult, Madras, from the Rivoli collection.
- 6, 7. Nearly adult, Abyssinia, from the same.
- 8, 9. Young? Abyssinia, from the same.

2. Genus *CECROPIS*, Boie. *Isis*, 1826, p. 971.

1. *CECROPIS SENEGALENSIS*, (Linn.) Swains. *B. of W. Af.* ii. pl. 6.

*Hirundo senegalensis*, Linn. *Syst. Nat.* i. p. 345.

"*Hirundo rufula*, Temm." *Gould. B. of Eur.* ii. pl. 55.

"*Hirundo russata*?" *Label on specimen from Europe.*

- 1, 2. Adults, Senegal, from the Rivoli collection.
3. Adult, Abyssinia.

2. *CECROPIS CUCULLATA*, (Bodd.) Le Vaill. *Ois. d' Af.* pl. 245, fig. 1

*Hirundo cucullata*, Bodd. *Tab. Pl. Enl.* p. 45. *Buff. Pl. Enl.* 723, fig. 2.

*Hirundo capensis*, Gm. *Syst. Nat.* i. p. 1019.

1. Adult male, Cape of Good Hope, from the Rivoli collection.
2. Younger, Cape of Good Hope, from the same.
3. Very young, Cape of Good Hope, from the same.

3. *CECROPIS ABYSSINICA*, (Guerin.) Ferr. and Gall. *Voy. Abys. Ois.* pl. 10.

*Hirundo abyssinica*, Guerin. *Rev. Zool.* 1843, p. 322.

*Cecropis striolata*, Rüpp. *Syst. Uebers.* p. 18, pl. 6.

"*Hirundo puella*." *Label on specimens received from M. Verreaux, Paris.*

1. Adult male, Port Natal.
2. Adult female, Ashantee country, from M. Verreaux's collection.

4. *CECROPIS STRIOLATA*, Temm. *Schlegel, Rev. Crit.* p. 42. *Faun. Japon. Aves*, p. 33.

- 1, 2. Adults, Java, from the Rivoli collection.

5. CECROPIS JAPONICA, Bonap. *Consp. Av.* p. 340.  
*Hirundo alpestris japonica*, Temm. and Schl. *Faun. Japon. Aves*,  
p. 33, pl. 11.  
1. Adult male, China.
  6. CECROPIS DAURICA, (Linn.)  
"Hirundo daurica, Linn. Mantiss. p. 528." *Gm. Syst. Nat.* i.  
p. 1024.  
*Hirundo erythropgia*, Sykes. *Proc. Zool. Soc. London*, 1832, p. 83.  
*Hirundo nipalensis*, Hodg. *Journ. As Soc. Beng.* v. p. 780, (1836.)  
1, 2. Adults, India, from Capt. Boys' collection.
  7. CECROPIS RUFULA, (Temm.) *Werner's Atlas, Ois. d' Eur.* pl. 27.  
1. Adult, Ural mountains.
  8. CECROPIS BADIA, Cassin. *Proc. Acad. Philada.* June 1853.  
1, 2. Adults, Malacca.
3. Genus PETROCHELIDON, Cabanis. *Cat. Heine's coll.* p. 47.
1. PETROCHELIDON LUNIFRONS, (Say.) *Aud. B. of Am.* pl. 68.  
*Hirundo lunifrons*, Say. *Long's Exp. to Rocky Mts.* p. 47. *Bonap. Am. Orn.* i. pl. 7, fig. 1.  
"Hirundo fulva, Vieill." *Bonap. Am. Orn.* i. p. 63. *Aud. Orn. Biog.* v. p. 415.  
"Hirundo melanogaster, Swainson?" *Aud. Orn. Biog.* v. p. 416.  
*Hirundo respublicana*, Aud. *Ann. N. Y. Lyceum*, i. p. 164, (1824.)  
*Hirundo opifex*, Clinton. *Ann. N. Y. Lyceum*, i. p. 161.  
1. Adult, Fort Union. Presented by Mr. Edward Harris.  
2. Adult, Columbia river, from Dr. Townsend's collection.  
3, 4. Adults, near Philadelphia, from Mr. Krider's collection.  
5, 6. Adults, Mexico from the Rivoli collection.
  2. PETROCHELIDON FULVA, (Vieill.)  
*Hirundo fulva*, Vieill. *Ois. d' Am. Sept.* p. 62, pl. 32.  
*Hirundo pæciloma*, Gosse. *B. of Jamaica*, p. 64.  
1. Adult, Jamaica. Presented by C. W. Pennock, M. D.
  3. PETROCHELIDON BICOLOR, (Vieill.) *Aud. B. of Am.* pl. 98.  
*Hirundo bicolor*, Vieill. *Ois. d' Am. Sept.* p. 61, pl. 31.  
*Hirundo viridis*, Wilson. *Am. Orn.* v. p. 44, pl. 38, fig. 3.  
*Hirundo leucogaster*, Stephens. *Gen. Zoo.* x. p. 106.  
1. Adult male, Pennsylvania, from Mr. Krider's collection.  
2. Adult male, Pennsylvania. Presented by Mr. Penrose.  
3. Adult female, North America, from the Rivoli collection.  
4. Adult, California, from Mr. Bell's collection.  
5. Adult, Bolivia.

4. PETROCHELIDON THALASSINA, (Sw.) *Aud. B. of Am.* pl. 385, fig. 4, 5.  
*Hirundo thalassina*, Swains. *Philos. Mag.* 1827, p. 366.  
 "Hirundo viridis? Licht." *Bonap. Cons. Av.* p. 341.  
 "Hirundo sericea." *Label on specimens from Messrs. Verreaux, of Paris.*  
  1. Adult male, Oregon, from Dr. Townsend's collection.
  2. Adult female, Oregon, from the same.
  3. Adult male, California, from Dr. Gambel's collection.
  4. Adult, Mexico, from the Rivoli collection.
  - 5, 6. Adults, Mexico.
5. PETROCHELIDON ALBIVENTER, (Bodd.) *Buff. Pl. Enl.* 546, fig. 2.  
*Hirundo albiventer*, Bodd. *Tab. Pl. Enl.* p. 32.  
*Hirundo leucoptera*, Gm. *Syst. Nat.* i. p. 1022.  
  1. Adult, Surinam. Presented by C. Hering, M. D.
  2. Adult, Cayenne, from the Rivoli collection.
  3. Adult, Brazil, from the same.
  4. Adult, Bolivia, from the same.
6. PETROCHELIDON LEUCORRHOA, (Vieill.)  
*Hirundo leucorhoa*, Vieill. *Nouv. Dict.* xiv. p. 519.  
*Hirundo frontalis*, Gould. *Voy. Beagle, Birds*, p. 40.  
*Hirundo Gouldii*, Cassin. *Proceed. Acad. Phil.*, v. p. 69.  
 "Hirundo leucopyga, Licht. Mus. Berol." *Cabanis. Cat. Heine's Coll.* p. 48.  
  - 1, 2. Adults, South America, from the Rivoli Collection.
7. PETROCHELIDON MEYENI, *Cabanis. Cat. Heine's Coll.* p. 48. *Nova Acta Leop.* xvi. *Sup.* pl. 10, fig. 2.  
 "Hirundo leucopyga, Licht." *Meyen, Nova Acta*, ut sup.  
  1. Adult, Chili, from Dr. Townsend's collection.
  2. Young, South America, from the Rivoli collection.
8. PETROCHELIDON TAHITICA, (Gm.) *Lath. Gen. Hist.* pl. 112.  
*Hirundo tabitica*, Gm. *Syst. Nat.* i. p. 1016.  
*Hirundo pyrrholaima*, Forst. *Desc. An.* p. 241, (1844.)  
*Hirundo taitensis*, Lesson. *Voy. Coquille*, i. p. 648.  
  1. Adult, Tahiti, from Dr. Townsend's collection.
  2. Adult, Sandwich Islands, from the Rivoli collection.
9. PETROCHELIDON NIGRICANS, (Vieill.) *Gould, B. of Aust.* ii. pl. 14.  
*Hirundo nigricans*, Vieill. *Nouv. Dict.* xiv. p. 523.  
 "Hirundo pyrrhonota, Lath. MSS." *Vig. and Horsf. Linn. Trans. London*, xv. p. 190.  
*Collocalia arborea*, Gould. *Birds of Aust.* ii. p. *Introd.* p. 29.  
 "Hirundo pygialis, Temm." *Bonap. Cons. Av.* p. 341.  
  - 1, 2. Adult males, Australia, from Mr. Gould's collection.
  3. Adult female, Australia, from the same.
  4. Adult male, Van Diemen's Land, from the same.
  5. Adult, Australia, from the Rivoli collection.

10. PETROCHELIDON ARIEL, (Gould.) *B. of Aust.* ii. pl. 15.  
*Collocalia Ariel*, Gould. *Proc. Zool. Soc. London*, 1842, p. 132.  
 1, 2. Adult males, Australia, from Mr. Gould's collection.  
 3. Adult female, Australia, from the same.  
 4. Adult, Australia, from the Rivoli collection.
11. PETROCHELIDON CYANOLEUCA, (Vieill.) Pl. col. 209, fig. 1.  
*Hirundo cyanoleuca*, Vieill. *Nouv. Dict.* xiv. p. 509.  
*Hirundo minuta*, De Wied. *Beitr.* ii. p. 369.  
*Hirundo melampyga*, Licht. *Verz.* p. 57.  
*Hirundo melanoleuca*, De Wied. *Beitr.* p. 371?  
 1, 2, 3. Adults, Brazil, from the Rivoli collection.  
 4, 5. Younger, Brazil, from the same.  
 6, 7. Adults, South America.  
 8, 9, 10. *H. melanoleuca*? South America.
12. PETROCHELIDON MURINA, Cassin. *Proc. Acad. Phil. June*, 1853.  
 1. Adult, Ecuador. Presented by Edward Wilson, Esq.
13. PETROCHELIDON TIBIALIS, Cassin. *Proc. Acad. Phil. June*, 1853.  
 1. Adult, South America, from the Rivoli collection.  
 2. Young? Brazil, from the same.  
  
 4. Genus CHELIDON, Boie. *Isis*, 1822, p. 550.
1. CHELIDON URBICA, (Linn.) Gould, *B. of Eur.* ii. pl. 57. *Selby*,  
*Ill.* pl. 42, fig. 2.  
*Hirundo urbica*, Linn. *Syst. Nat.* i. p. 344.  
*Hirundo lagopoda*, Pallas. *Zoog.* i. p. 532.  
*Chelidon rupestris et fenestrarum*, Brehm. *Vög. Deuts.* i. p. 140.  
 1, 2. Adults, Europe, from the Rivoli collection.  
  
 5. Genus ATTICORA, Boie. *Isis*, 1849, p. 172.
1. ATTICORA LEUCOSTERNON, (Gould.) *B. of Aust.* ii. pl. 12.  
*Hirundo leucosternus*, Gould. *Proc. Zool. Soc. Lond.* 1840, p. 172.  
 1. Adult male, Swan River, Australia.  
 2, 3, 4. Adult males, Australia, from Mr. Gould's collection.  
 5. Adult female, Australia, from the same.
2. ATTICORA HOLOMELAS, (Sund.) *Proc. Acad. Phil.* v. pl. 12, fig. 2.  
*Hirundo holomelas*, Sundeval. *Ofversigt Kongl. Akad.* (April, 1850.)  
*Atticora hamigera*, Cassin. *Proc. Acad. Phil.* v. p. 57, (June, 1850.)  
*Psalidoprocne cypselina*, Cabanis. *Cat. Heine*, p. 48, (1852.)  
 1. Adult, Port Natal.  
 2. Adult female, Cape of Good Hope.  
 3, 4. Adults, Cape of Good Hope, from the Rivoli collection.
3. ATTICORA MELBINA, Verreaux. *Rev. et Mag. de Zool.* 1851, p. 310,  
 (Paris.)  
 1. Adult, Gaboon, Africa, from Mr. Verreaux' collection.



4. ATTICORA FASCIATA, (Gm.) *Swains. Zool. Ill.* i. pl. 17.  
*Hirundo fasciata*, Gm. *Syst. Nat.* i. p. 1022. Pl. enl. 724, fig. 2.  
 1, 2, 3. Adults, South America, from the Rivoli collection.  
 1. Adult, Cayenne.

## II. Subfamily CYPSELINÆ.

### 1. Genus CYPSELUS, Illiger. Prod. p. 229, (1811.)

1. CYPSELUS MELBA, (Linn.) *Gould, B. of Eur.* ii. pl. 53.  
*Hirundo Melba*, Linn. *Syst. Nat.* i. p. 345.  
*Hirundo alpina*, Scop. *Annus*, i. p. 166.  
*Hirundo gularis*, Steph. *Gen. Zool.* x. p. 99?  
*Cypselus gutturalis*, Vieill. *Nouv. Dict.* xix. p. 422?  
 1, 2. Adults, Europe, from the Rivoli collection.  
 3. Younger, Europe, from the same.  
 4. Adult, India, from Capt. Boys' collection.
2. CYPSELUS ÆQUATORIALIS, Muller. *Naumannia*, pt. 4, p. 27, (1851.)  
 "Cypselus fuliginosus, Verr. MSS." *Label on Spec. in Acad. coll.*  
 1. Adult, Abyssinia, from Mr. Verreaux' collection.
3. CYPSELUS APUS, (Linn.) *Gould, B. of Eur.* ii. pl. 53. *Selby's Ill.*  
 pl. 42, fig. 4.  
*Hirundo apus*, Linn. *Syst. Nat.* i. p. 344.  
*Cypselus vulgaris*, Steph. *Gen. Zool.* x. p. 72.  
*Cypselus murarius*, Temm. *Man.* i. p. 434.  
 1. Adult, France. Presented by R. Harlan, M. D.  
 2. Adult, France, from the Rivoli collection.  
 3. Adult male, Cape of Good Hope.  
 4. Adult female, Cape of Good Hope.
4. CYPSELUS CAFFER, Licht. *Verz.* p. 58, (1823.) *Temm. Pl. col.*  
 460, fig. 1.  
*Cypselus pygargus*, Temm. *Pl. col.* iv. p. (Liv. 77, about 1828.)  
 "Cypselus leucothea, Smith?" *Label on Spec. from Paris.*  
 1, 2. Adults, Cape of Good Hope, from the Rivoli collection.  
 3. Adult, Cape of Good Hope.
5. CYPSELUS AFFINIS, Gray. *Ill. Ind. Zool.* pl. 35, fig. 2.  
*Cypselus nipalensis*, Hodg. *Jour. Ac. Soc. Bengal*, 1836, p. 780.  
 "Cypselus montanus, Jerdon." *Gray. Gen. App.* p. 4.  
 1. Adult, India, from the Rivoli collection.  
 2. Adult, India, from Capt. Boys' collection.  
 3, 4. Adults, Africa?
6. CYPSELUS LEUCOPYGIALIS, Cassin. *Proc. Acad. Phil.* v. p. 58, pl.  
 13, fig. 1.  
 1. Adult, Sumatra.
7. CYPSELUS UNICOLOR, Jard. *Journ. Nat. and Geog. Science, Edin-  
 burg*, i. p. 242. *Jard. and Selby Ill.* ii. pl. 83.  
 1, 2. Adults, Madagascar? from the Rivoli collection.

8. **CYPSELUS AMBROSIACUS**, (Gm.) *Temm. Pl. Col.* 460, fig. 2.  
*Hirundo ambrosiaca*, Gm. *Syst. Nat.* i. p. 1021.  
"Hirundo americana, Lath. nec Wils. fide Temm." *Streubel, Isis*,  
1848, p. 356.
    - 1, 2. Adults, Fazogloa, Eastern Africa, from the Rivoli collection.
  9. **CYPSELUS BALASSIENSIS**, Gray. *Griff. Cuv.* vii. p. 60, (1829.)  
*Cypselus palmarum*, Gray. *Ill. Ind. Zool.* pl. 35 fig. 1, (1832.)
    1. Adult, India, from Capt. Boys' collection.
  10. **CYPSELUS PARVUS**, Licht. *Verz.* p. 58?
    1. Adult, Western Africa, from Mr. Cassin's collection.
    2. Adult, Congo river. Presented by A. A. Henderson, M. D., U. S. Navy.
    3. Younger? Madagascar, from the Rivoli collection.
  11. **CYPSELUS AUSTRALIS**, Gould. *B. of Aust.* ii. pl. 11.  
*Cypselus vittatus*, Jard. and Selby. *Ill. Orn. n. s.* pl. 39?  
*Hirundo pacifica*, Lath. *Ind. Orn. Supp.* p. 58?
    1. Adult male, Australia, from Mr. Gould's collection.
    2. Adult female, Australia, from the same.
  12. **CYPSELUS CAYENNENSIS**, (Gm.) *Buff. Pl. Enl.* 725, fig. 2.  
*Hirundo cayennensis*, Gm. *Syst. Nat.* i. p. 1024.
    1. Adult, Brazil, from the Rivoli collection.
    2. Adult, Brazil.
  13. **CYPSELUS SQUAMATUS**, Cassin. *Proc. Acad. Philada.* June, 1853.
    1. Adult, Guiana. Presented by H. G. Dalton, M. D.
    2. Adult, Cayenne.
    3. Younger, South America.
2. Genus **ACANTHYLIS**, Boie. *Isis*, 1826, p. 971.
1. **ACANTHYLIS PELASGIA**, (Linn.) *Wilson, Am. Orn.* pl. 39, fig. 1.  
*Hirundo pelasgia*, Linn. *Syst. Nat.* i. p. 345.  
*Hirundo cerdo*, *Bartram. Trav.* p. 292, (1791.)  
"Cypselus acutus, Temm. Mus. Lugd." *Bonap. Cons. Av.* p. 64,  
(Pl. col. vi. p. 78.)
    1. Adult male, Philadelphia. Presented by J. K. Townsend, M. D.
    2. Adult female, Carlisle, Penna. Presented by Prof. S. F. Baird.
    3. Adult, North America, from the Rivoli collection.
  2. **ACANTHYLIS VAUXII**, (Townsend.)  
*Cypselus Vauxii*, *Townsend. Journ. Acad. Nat. Sci. Philada.*  
viii. p. 148, (1839.)
    1. Adult, Oregon, from Dr. Townsend's collection.

3. ACANTHYLIS BRUNNEITORQUES, (Lafres.)  
*Chætura brunneitorques*, *Lafresnaye. Rev. Zool.* 1844, p. 81.  
*Chætura ruficollis*, *Johnson. Ann. and Mag. Nat. Hist.* viii. p. 351, (184 )?  
*Hirundo Robini.* *Less. Traité* i. p. 270 ? (1831.)  
 1. Adult, Columbia. Presented by Edward Wilson, Esq.  
 1. Adult, Columbia, from the Rivoli collection.
4. ACANTHYLIS SPINICAUDA, (Temm.) *Pl. Enl.* 726, fig. 1.  
*Cypselus spinicaudus*, *Tem. Pl. Col.* vi. p. 78.  
 1. Adult male, Cayenne.  
 2. Adult female, Cayenne.  
 3. Young female, Cayenne,  
 4, 5. Adults, Cayenne, from the Rivoli collection.  
 6. This species? Guiana. Presented by Henry G. Dalton, M. D.
5. ACANTHYLIS CINEREOCAUDA, Cassin. *Proc. Acad. Philada.* v. p. 58, pl. 13, fig. 2, (1850.)  
*Hirundo poliiurus*, *Temm. Pl. Col.* vi. p. 78. *Pl. Enl.* 126, fig. 2 ?  
 1. Adult, South America, from the Rivoli collection.  
 2. Adult, South America.
6. ACANTHYLIS CORACINUS, (Bonap.)  
 "Cypselus coracinus, Mull. Mus. Lugd." *Bonap. Consp. Av.* p. 64.  
 1. Adult male, Sumatra.  
 2. Adult female, Sumatra.
7. ACANTHYLIS NUDIPES, (Hodg.) *De Lessert, Voy. India, Ois.* pl. 9.  
*Chætura nudipes*, *Hodgson. Journ. As. Soc. Bengal*, 1836, p. 779.  
*Cypselus leuconotus*, *De Lessert. Guerin's Mag.* 1840 p. pl. 20.  
 1. Adult, India, from the Rivoli collection.
8. ACANTHYLIS CAUDACUTA, (Lath.) *Gould, B. of Aust.* ii. pl. 10.  
*Hirundo caudacuta*, *Lath. Ind. Orn. Supp.* p. 57.  
*Hirundo fusca*, *Steph. Gen. Zool.* x. p. 133 ?  
*Chætura australis*, *Steph. Gen. Zool.* xiii. p. 76.  
*Chætura macroptera*, *Swains. Zool. Ill.* n. s. pl. 42.  
 1, 2. Adults, Australia, from Mr. Gould's collection.  
 3. Adult female, Australia.
9. ACANTHYLIS ZONARIS, (Shaw.) *Temm. Pl. Col.* 195.  
*Hirundo zonaris*, *Shaw. Cim. Phys.* pl. 55, (1796.)  
*Hirundo albicollis*, *Vieill. Nouv. Dict.* xiv. p. 524, (1817.)  
*Hirundo collaris*, *De Wied. Reise Bras.* i. p. 75.  
 "Cypselus torquatus, Licht." *Bonap. Consp. Av.* p. 64.  
*Cypselus senex*, *Temm. Pl. Col.* 397 ?  
 1, 2. Adults, Brazil, from the Rivoli collection.  
 3. Adult male, Brazil.  
 4. Adult female, Brazil.

III. Subfamily PROGNINÆ.

1. Genus PROGNE, Boie. *Isis*, 1826, p. 971.

1. **PROGNE PURPUREA**, (Linn.) *Aud. B. of Am.* pl. 22.  
*Hirundo purpurea et subis*, Linn. *Syst. Nat.* i. p. 344.  
*Hirundo violacea*, Gm. *Syst. Nat.* i. p. 1026.  
*Hirundo cærulea*, Vieill. *Ois. d'Am. Sept.* i. p. 57, pl. 26, 27.  
*Hirundo versicolor*, Vieill. *Nouv. Dict.* xiv. p. 509.  
*Hirundo ludoviciana*, Cuv. *Reg. An.* i. p. 374, (1817.)
  1. Adult male, Philadelphia. Presented by Thos. McEuen, M. D.
  2. Adult female, Washington. Presented by J. K. Townsend, M. D.
  3. Young male, Washington. Presented by the same.
  4. Adult male, North America, from the Rivoli collection.
  5. Adult male, South America, from the same.
  6. Young male, South America, from the same.
2. **PROGNE DOMINICENSIS**, (Gm.) Vieill. *Ois. d'Am. Sept.* pl. 28, 29.  
*Hirundo dominicensis*, Gm. *Syst. Nat.* i. p. 1025.  
*Hirundo albiventris*, Vieill. *Nouv. Dict.* xiv. p. 533.  
*Hirundo domestica*, Vieill. *Nouv. Dict.* xiv. p. 520.
  1. Adult, St. Domingo, from the Rivoli collection.
  2. Adult, Brazil, from the same.
  3. Adult, Cayenne, from the same.
  4. Younger, Cayenne, from the same.
  - 5, 6, 7, South America, from the same.
  8. Nearly adult, Surinam. Presented by C. Hering, M. D.
3. **PROGNE CHALYBEA**, (Gm.) Buff. *Pl. Enl.* 545, fig. 2.  
*Hirundo chalybea*, Gm. *Syst. Nat.* i. p. 1026.
  1. Adult male, Panama, from Mr. Bell's collection.
  - 2, 3. Adult females, Panama, from the same.
4. **PROGNE FUSCA**, (Vieill.)  
*Hirundo fusca*, Vieill. *Nouv. Dict.* xiv. p. 510.
  1. Adult? Brazil.
  - 2, 3, 4. Adults? South America, from the Rivoli collection.
5. **PROGNE TAPERA**, (Linn.)  
*Hirundo tapera*, Linn. *Syst. Nat.* i. p. 345.  
*Hirundo pascuum*, De Wied. *Beitr.* iii. p. 360.
  1. Adult? Bolivia.
  - 2, 3. Adults? South America, from the Rivoli collection.
6. **PROGNE BORBONICA**, (Gm.) Buff. *Pl. Enl.* 544, fig. 2.  
*Hirundo borbonica*, Gm. *Syst. Nat.* i. p. 1017.
  1. Adult male, Madagascar, from the Rivoli collection.
  2. Female? Madagascar, from the same.

IV. Subfamily COTYLINÆ.

1. Genus COTYLE, Boie. *Isis*, 1822, p. 350.

1. COTYLE RIPARIA, (Linn.) *Gould, B. of Eur.* ii. pl. 58. *Aud. B. of Am.* pl. 385.

*Hirundo riparia*, Linn. *Syst. Nat.* i. p. 244.

"*Hirundo cinerea*, Lath." *Vieill. Nouv. Dict.* xiv. p. 526.

*Cotyle fluviatilis et microrhynchos*, Brehm. *Vög. Deuts.* i. p. 142, 143.

*Cotyle minor*, Cabanis. *Cat. Heine's Coll.* p. 49 ?

1, 2. Adults, Europe, from the Rivoli collection.

3. Adults, France. Presented by A. L. Heerrann, M. D.

4. Adults, New Jersey, from Mr. Krider's collection.

5. Adults, New Jersey, from the same.

6. Adults, Pennsylvania.

7. *C. minor*, Cab. ? Abyssinia, from the Rivoli collection.

2. COTYLE SERRIPENNIS, (Aud.) *B. of Amer.* pl. 385.

*Hirundo serripennis*, Audubon. *Orn. Biog.* iv. p. 593.

1. Adult male, Pennsylvania. Presented by J. K. Townsend, M. D.

2. Adult male, Carlisle, Penna. Presented by Prof. S. F. Baird.

3. Adult female, Carlisle, Penna. Presented by the same.

3. COTYLE PALUSTRIS, (Steph.) *Le Vaill. Ois. d'Af.* pl. 246, f. 2.

*Hirundo palustris*, Stephens. *Gen. Zool.* x. p. 101, (1817.)

*Hirundo paludicola*, Vieill. *Nouv. Dict.* xiv. p. 511, (1817.)

"*Cotyle bita*, Mus. Par." *Boie. Isis*, 1844, p. 170 ?

*Cotyle paludibula*, Rupp. *Syst. Ubers.* p. 22.

1, 2, 3. Adults, Cape of Good Hope, from the Rivoli collection.

4. Younger, Cape of Good Hope, from the same.

5. Adult, Africa, from the same.

4. COTYLE FLAVIGASTRA, (Vieill.) *Pl. col.* 161, fig. 2.

*Hirundo flavigastrea*, Vieill. *Nouv. Dict.* xiv. p. 534, (1817.)

*Hirundo hortensis*, Licht. *Verz.* p. 57, (1823.)

*Hirundo jugularis*, De Wied. *Beitr.* iii. p. 365.

1. Adult, Surinam. Presented by C. Hering, M. D.

2, 3, 4. Adults, Brazil, from the Rivoli collection.

5. COTYLE RUFICOLLIS, (Vieill.)

*Hirundo ruficollis*, Vieill. *Nouv. Dict.* xiv. p. 523.

1. Adult ? South America.

6. COTYLE FUCATA, (Temm.) *Pl. col.* 161, fig. 1.

*Hirundo fucata*, Temm. *Pl. col.* iv. (liv. 27.)

*Hirundo phenicephala*, Rafinesque. *Annals of Nature*, 1820, p. 47

1, 2. Adults, South America, from the Rivoli collection.

7. **COTYLE RUPESTRIS**, (Scop.) *Gould, B. of Eur.* ii. pl. 56.  
*Hirundo rupestris*, *Scopoli. Ann.* i. p. 167.  
*Hirundo montana*, *Gm. Syst. Nat.* i. p. 1020.  
*Hirundo rupicola*, *Hodgs. Jour. As. Soc. Bengal*, 1836, p. 781.  
*Hirundo inornata*, *Jerdon. Madras Jour.* 1841, p. 201.  
    - 1, 2. Adults, France, from the Rivoli collection.
    3. Adult, India, from Capt. Boys' collection.
  8. **COTYLE FULIGULA**, (Licht.) *Le Vaill. Ois. d' Af* pl. 246, fig. 1.  
*Hirundo fuligula*, *Licht. Forst. Desc. An.* p. 55.  
"Hirundo rupestris." *Temminck. Man.* p. 431.  
"Hirundo fulva, Mus. Lugd." *Bonap. Cons. Av.* p. 342.  
"Hirundo torquata, Gm." *Boie. Isis*, 1828, p. 316.  
*Hirundo rufogularis*, *Catalogue of the Rivoli collection*, p. 18.  
    1. Adult, Cape of Good Hope, from the Rivoli collection.
    2. This species? Angola. Presented by A. A. Henderson, M. D., U. S. Navy.
  9. **COTYLE CINCTA**, (Bodd.) *Buff. Pl. Enl.* 723, fig. 1.  
*Hirundo cincta*, *Bodd. Tabl. des Pl. Enl. d' Aub.* p. 45.  
*Hirundo torquata*, *Gm. Syst. Nat.* i. p. 1022.  
    1. Adult, Cape of Good Hope, from the Rivoli collection.
  10. **COTYLE CONCOLOR**, (Sykes.)  
*Hirundo concolor*, *Sykes. Proc. Zool. Soc. London*, 1832, p. 83.  
    1. Adult, India, from Capt. Boys' collection.
  11. **COTYLE SINENSIS**, (Gray.)  
*Hirundo sinensis*, *Gray. Ill. Ind. Zool.* pl. 35, fig. 3, (not Gm.)  
*Hirundo brevicaudata*, *McClell. and Horsf. Proc. Zool. Soc. London*, 1839, p. 156.  
*Hirundo subsoecata et minuta*, *Hodgs. Gray, Zool. Mis.* p. 82, *fide Gray, Cat. Brit. Mus. Fissirostres*, p. 30.  
Adult, India, from the Rivoli collection.
2. Genus **COLLOCALIA**, G. R. Gray. *List Gen. of Birds*, p. 8, (1840.)
1. **COLLOCALIA ESCULENTA**, (Linn.)  
*Hirundo esculenta*, *Linn. Syst. Nat.* i. p. 343.  
*Hemiprocne salangana*, *Streubel. Isis*, 1848, p. 368 ?  
    - 1, 2. Adults, Timor, from the Rivoli collection.
    3. Adults, Philippines? from the same.
    4. Adult, Timor.
  2. **COLLOCALIA FUCIPHAGA**, (Thunb.) *Lath. Gen. Syn. Supp.* ii. pl. 135.  
*Hirundo fuciphaga*, *Thunburg. Acta Holm.* xxxiii. p. 151.  
"Hirundo esculenta, Linn." *Lath. Ind. Orn.* ii. p. 580.  
"Hirundo nidifica, Lath." *Bonap. Cons. Av.* p. 343.  
*Hemiprocne fucivora*, *Streubel. Isis*, 1848, p. 369.  
    1. Adult, Java, from the Rivoli collection.
    2. Adult, Sumatra, from the same.
    - 3, 4. Adults, from the Rivoli collection.

3. COLLOCALIA FRANCICA, (Gm.)  
*Hirundo francica*, Gm. *Syst. Nat.* i. p. 1017.  
*Macropteryx spodiopygius*, Peale. *Voy. Vincennes, Birds*, p. 176.  
 1, 2. Adults, from the Rivoli collection.
4. COLLOCALIA CINEREA, (Gm.)  
*Hirundo cinerea*, Gm. *Syst. Nat.* i. p. 1026.  
*Macropteryx leucophæus*, Peale. *Voy. Vincennes, Birds*, p. 178.  
 1. Adult, Tahiti, from Dr. Townsend's collection.  
 2. Adult. Marquesas Islands, from Dr. Gambel's collection.

V. Subfamily MACROPTERINÆ.

1. Genus MACROPTERYX, Swainson. *Zool. Ill.* ii. p. (1832.)
1. MACROPTERYX MYSTACEUS, (Lesson.) *Voyage de la Coquille, Ois.*  
 pl. 22.  
*Cypselus mystaceus*, Lesson. *Voy. Cog.* i. p. 647.  
 1. Adult male, New Guinea.  
 2. Adult female, New Guinea.  
 3. Young, Celebes?
2. MACROPTERYX COMATUS, (Temm.) *Pl. col.* 268.  
*Cypselus comatus*, Temm. *Pl. col.* iv. (liv. 45.)  
 1. Adult, Sumatra, from the Rivoli collection.  
 2. Adult, Timor, from the same.  
 3. Adult male, Celebes.
3. MACROPTERYX KLECHO, (Horsf.) *Temm. Pl. col.* 83, fig. 1.  
*Hirundo Klecho*, Horsf. *Linn. Trans. London*, xiii. p. 143, (1820.)  
*Cypselus longipennis*, Temm. *Pl. col.* iv. (liv. 14.)  
 1. Male, Java, from the Rivoli collection.  
 2. Female, Java, from the same.  
 3. Male, Java.  
 4. Young, Sumatra.
4. MACROPTERYX CORONATUS, (Tickell.)  
*Hirundo coronata*, Tick. *Jour. As. Soc. Benga'*, ii. p. 580, (1833.)  
*Dendrochelidon velatus*, Less. *Echo du monde Savant*, 1844,  
 p. 1190.  
 1. Adult male, India, from Capt. Boys' collection.